U.S. Army corps of engineers, rock island district, update

by

Colonel duane gapinski, p.e.

Commander, rock island district

JULY 28, 2005

US Army Corps of Engineers®

U.S. Army Corps of Engineers

The Corps' mission:

- Water Resources Development
- Environment
- Infrastructure
- Disasters
- Warfighting

OUR MISSION
PEACE
WAR
SPECTRUM OF USACE OPERATIONS
Water Resources
Environment
Infra-structure
Disasters
Warfighting
Creating synergy between water resource development and environment
Restoring, managing and enhancing ecosystems, local and regional
Building and sustaining the critical facilities for military installations and the public
Responding to local, national and global disasters
Providing full spectrum engineering and contingency support

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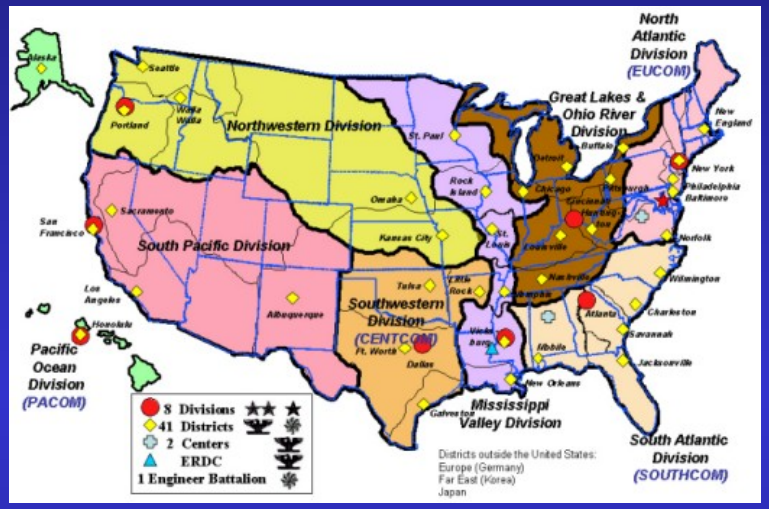
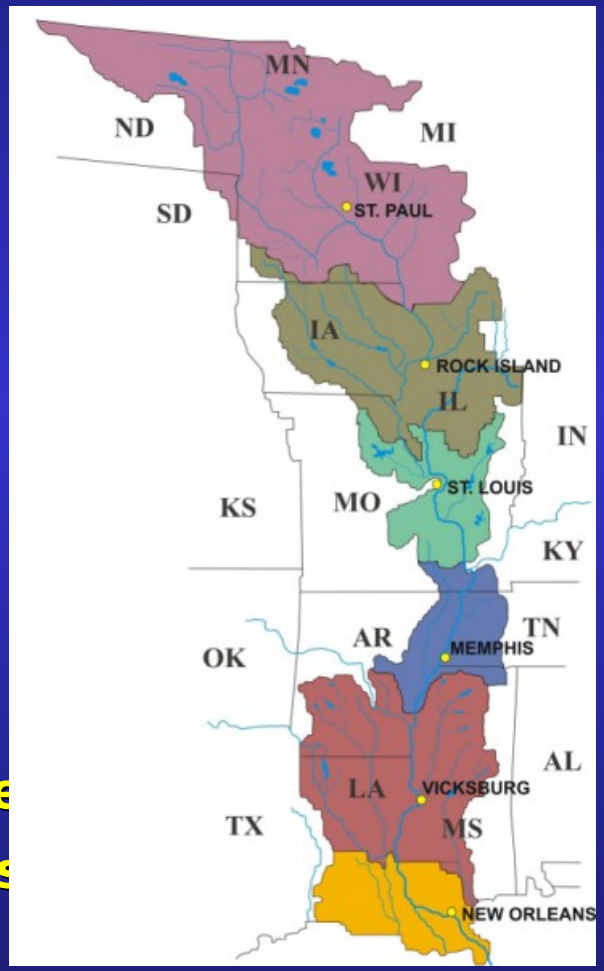
Mississippi Valley Division





- Six Districts
- 5,000+ Employees
- 370,000 Square Mile Boundary, Encompassing All Or Parts Of 12 State
- 4,267 Miles Of Commercial Waterways
- 44 Flood Control Lakes/Reservoirs

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Rock Island District

- Primarily A Civil Works District
- 78,000 Square Miles
- Portions Of 5 States
- Operate 582 Miles Of 9-foot Navigation Channel
- 20 Lock And Dam Sites
- 5 Flood Control Reservoirs

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Our People

400-plus @ Clock Tower and Locks & Dam 15

- 912 Employees
- Average Age – 42.8
- Advanced Degrees (Bachelors & Above) - 256
- Grade Structure -

4	GS-15
9	GS-14
40	GS-13
100	GS-12
189	GS-11

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Our People

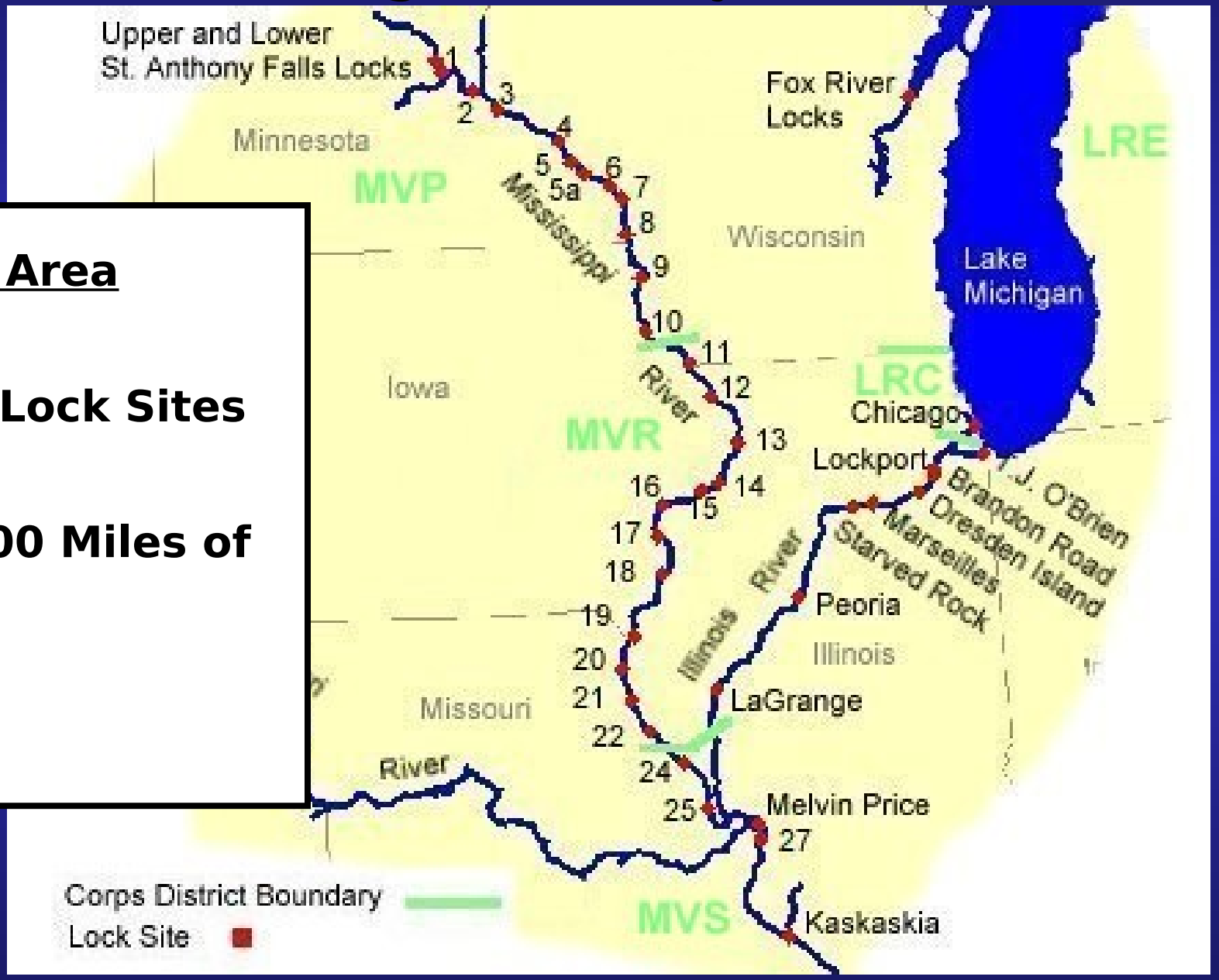
- Remainder @ 27 Field Sites

- 450 Wage Grade
- Wage-Grade Structure
  - 1 WS-13
  - 1 WS-12
  - 1 WS-11
  - 39 WS/WA-10

Upper Mississippi River—Illinois Waterway Navigation Study

Study Area

- **37 Lock Sites**
- **1,200 Miles of River**



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Scope Of Study

Focus On Authorized Federal Navigation Projects & The Ecological & Floodplain Resources That Are Affected By These Projects.

Original Study
(1993-2000) → **Relieve Congestion.**

Restructured Study
(2001-2004) → **Relieve Congestion.**

→ **Achieve Environmental Sustainable System.**

Study Vision

"To seek long-term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System"

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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Environmental Sustainability Program

- Chief's of Engineer's Report Signed Dec. 2004).
- Estimated Construction Start Date: FY2006 (Contingent on Authorization)
- Scheduled Completion Date: FY2020 (Contingent on Authorization)
- Authorization Status

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Recommended Navigation Efficiency Improvements

$2.03 Billion in First 15 Years (CG/IWTF)

- Mooring Facilities @ Locks 12, 14, 18, 20, 22, 24 & LaGrange
- Switchboats @ Locks 20-25
- Adaptive Implementation of 1200’ Chambers at Locks 20-25, La Grange & Peoria
- Mitigation for Site Specific & System Effects
- Continued Study & Monitoring

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Structural Measures

Adjacent Moorings

Switchboats

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Structural Measures

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Ecosystem Restoration Implementation

$1.58 Billion In First 15 Years

- **Fish Passage @ Dams 4, 8, 22 & 26**
- **Changes In Water Level Control @ Dams 25 And 16 (25*)**
- **Adaptive Implementation of 225 Small Projects Of Less Than $25 Million Each**
  - **Island Building**
  - **Water Level Management**
  - **Backwater/Side Channel Restoration**
  - **Wing Dam/Dike Alterations**
  - **Island Shoreline Protection**
- **35,000 Acres of Floodplain Restoration**
- **Continued Study & Monitoring**

Island Building

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Pool 8 Islands near Stoddard, Wisconsin

October 1961 August 1994 August 2001

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FY05 Implementation Plan

- Work Allowance $11.3 M (Congressional Add)
- 32 New Projects
- Programmatic Projects (5) $1.9M
- Navigation Efficiency Projects (8) $4.8M
- Ecosystem Restoration Projects (19) $4.6M
- Primary Activities Focused on:

  Decision Documents (Planning)
  Engineering And Design
  Collection Of Pre-project Monitoring Data
  Site Specific Evaluations
  Public Meetings

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Davenport, Iowa

One Corps Serving the Armed Forces and the Nation

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Duck Creek/Fairmount Park (Wetland Restoration), Davenport, Iowa

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Regulatory Program

Discharge of Dredge Materia

Filling of Wetlands

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Sunset Marina Sediment Analysis, Rock Island

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